

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2000069484
PUBLICATION DATE : 03-03-00

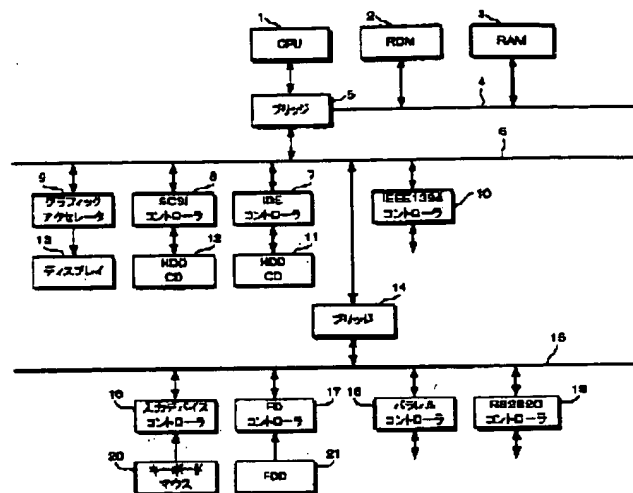
APPLICATION DATE : 21-08-98
APPLICATION NUMBER : 10235551

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INT.CL. : H04N 7/32 H04N 11/04

TITLE : METHOD FOR CALCULATING MOTION
VECTOR AND STORAGE MEDIUM
RECORDING MOTION VECTOR
CALCULATION PROGRAM



ABSTRACT : PROBLEM TO BE SOLVED: To increase retrieving speed of a motion vector by reducing quantity of operation by breaking off the operation when the sum of absolute values of difference between a block pixel of the present frame and a block pixel of a reference frame becomes equal to or higher than a predetermined threshold.

SOLUTION: A CPU 1, a ROM 2 and a RAM 3 are connected with a processor bus 4. Digital video data of plural frames are fetched, the digital data are buffered on the RAM 3 and the motion vector is calculated by block matching. In this case, a processing to compare a halfway result of the sum of the absolute values of the difference between the block pixel of the present frame and the block pixel of the reference frame with the predetermined threshold and to break off the operation at the moment when the sum of the difference between the block pixel of the present frame and the block pixel of the reference frame becomes equal to or higher than the predetermined threshold is performed in a loop of the block matching operation.

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